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3 - HORN LAKE ROAD TRAFFIC CONTROL PLAN
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5 - MISCELLANEOUS DETAILS
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1 - 79-2842-5.94 HORN LAKE ROAD BRIDGE
OVER R.R. AND NONCONNAH CREEK
2 - 79-5092-2.25 RIVERGATE ROAD BRIDGE
OVER R.R. AND NONCONNAH CREEK

ARRA BRIDGE GUARDRAIL REPAIR

CITY PROJECT NUMBER
TDOT PIN 112694.00/CITY PROJECT PW02031

DATE OF BIDS
JUNE 4, 2010

A detailed street map of the North Horn area in Utah. The map shows the town of Hatch, the Hatch Reservoir, and the Hatch National Monument. Major roads are labeled with numbers and names, including US-89, US-12, and US-163. The map includes a scale bar (0 to 1 mile), a north arrow, and a legend for city limits and water bodies. The Hatch Reservoir is a large body of water on the left side of the map. The Hatch National Monument is a large area on the right side of the map. The town of Hatch is located in the center of the map. The map shows a grid of streets in Hatch, including Main St, 1st St, 2nd St, 3rd St, 4th St, 5th St, 6th St, 7th St, 8th St, 9th St, 10th St, 11th St, 12th St, 13th St, 14th St, 15th St, 16th St, 17th St, 18th St, 19th St, 20th St, 21st St, 22nd St, 23rd St, 24th St, 25th St, 26th St, 27th St, 28th St, 29th St, 30th St, 31st St, 32nd St, 33rd St, 34th St, 35th St, 36th St, 37th St, 38th St, 39th St, 40th St, 41st St, 42nd St, 43rd St, 44th St, 45th St, 46th St, 47th St, 48th St, 49th St, 50th St, 51st St, 52nd St, 53rd St, 54th St, 55th St, 56th St, 57th St, 58th St, 59th St, 60th St, 61st St, 62nd St, 63rd St, 64th St, 65th St, 66th St, 67th St, 68th St, 69th St, 70th St, 71st St, 72nd St, 73rd St, 74th St, 75th St, 76th St, 77th St, 78th St, 79th St, 80th St, 81st St, 82nd St, 83rd St, 84th St, 85th St, 86th St, 87th St, 88th St, 89th St, 90th St, 91st St, 92nd St, 93rd St, 94th St, 95th St, 96th St, 97th St, 98th St, 99th St, 100th St. The map also shows the Hatch Reservoir, the Hatch National Monument, and the Hatch area. The map is a black and white line drawing.

PROFILE SOUTH & EAST OF LINE
PROFILE EXISTING GRADE LINE
PROFILE NORTH & WEST OF LINE
PROPOSED GRADE LINE

The diagrams show two cross-sections of bridge structures. The 'EXISTING' structure on the left has a narrow central pier and wider side sections. The 'PROPOSED' structure on the right has a much wider central pier and narrower side sections, indicating a more uniform and robust design.

RIGHT OF WAY LINE
CURB & GUTTER, NO. 6-72 INLET
NO. 11 INLET
CULVERT
DRAIN PIPE
SEWER PIPE
DRAIN MANHOLE
SEWER MANHOLE
ELECTRICAL MANHOLE
TELEPHONE MANHOLE
WATER METER
GAS OR WATER VALVE
POWER POLE
TELEPHONE OR TELEGRAPH POLE
LIGHT POLE
FIRE HYDRANT
GUY WIRE

TOP OF CUT
TOE OF FILL

EXISTING SYMBOLS		PROPOSED SYMBOLS	
	D.M.H.		D.M.H.
	S.M.H.		S.M.H.
	E.M.H.		E.M.H.
	T.M.H.		T.M.H.

THERE IS A NON-REFUNDABLE CHARGE OF (\$80.00)
EIGHTY DOLLARS FOR THIS SET OF PLANS
AND RELATED SPECIFICATIONS.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE DIVISION OF ENGINEERING, CITY OF MEMPHIS, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

FOR UTILITIES: CALL "TENN. ONE CALL SYSTEMS INC.", 1-800-351-1111
72 HOURS BEFORE DIGGING.

LOCATION PLAN
N.T.S.

UNDERGROUND ELECTRICAL
UNDERGROUND WATER
UNDERGROUND TELEPHONE
UNDERGROUND GAS

HEDGE
SHRUB
TREE
FENCE LINE

NOTES:

1. THIS PROJECT IS TO BE CONSTRUCTED UNDER THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MARCH 1, 2006 EDITION WITH SPECIAL PROVISIONS, AND ADDITIONAL SPECIFICATIONS AND PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE CONSTRUCTION ZONE. UTILITY LOCATIONS SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. FOR UTILITY LOCATIONS CONTACT "TENNESSEE ONE CALL SYSTEM, INC.", 1-800-351-1111 A MINIMUM OF 72 HOURS BEFORE DIGGING.
3. ITEM NO. 604-04.02 [TDOT], "APPLIED TEXTURE FINISH (EXISTING STRUCTURE)" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THIS PRICE WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND ANY MISCELLANEOUS ITEMS REQUIRED TO TEXTURE COAT THE EXISTING PARAPET RAIL AS SHOWN ON THE PLANS. SEE REQUIREMENTS OF SECTION 604 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
4. ITEM NO. 620-10.01 [TDOT], "BRIDGE RAIL REPLACEMENT" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINER FOOT. THIS PRICE WILL BE THE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, HARDWARE, POSTS, REPLACEMENT OF DRILLED ANCHORS AS REQUIRED, ELASTOMERIC PADS OR ZINC CHROMATE PRIMER, AND LABOR REQUIRED TO REPLACE HANDRAIL. THE HANDRAIL TO BE REPLACED BY GALVANIZED STEEL RAILING AS SHOWN ON THE PLANS (SEE SHEET 5 FOR DETAILS). LOCATIONS SHALL BE AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER. MATERIALS USED SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. GALVANIZED STEEL RAILS AND POSTS SHALL BE ASTM A53, GRADE A OR B STEEL. ALL STEEL RAIL AND POST SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. ALL HARDWARE BOLTS, ETC. SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
5. ITEM NO. 712-01 [TDOT], "TRAFFIC CONTROL" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM. THIS PRICE WILL BE FULL COMPENSATION FOR FURNISHING ALL FLAGGERS, TRAFFIC CONES AND REMOVING CONFLICTING AND INCORRECT PAVEMENT MARKINGS, AS REQUIRED, UNTIL PROJECT COMPLETION.
6. ITEM NO. 712-04.01 [TDOT], "FLEXIBLE DRUMS (CHANNELIZATION)" SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH. THIS PRICE WILL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INSTALLATION, MAINTENANCE AND ALL INCIDENTALS TO PLACE DRUMS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. ITEM NO. 712-05.03 [TDOT], "WARNING LIGHTS (TYPE C)" SHALL BE PAID THE CONTRACT UNIT PRICE PER EACH. THIS PRICE WILL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INSTALLATION, MAINTENANCE AND ALL INCIDENTALS TO PLACE LIGHTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. ITEM NO. 712-06 [TDOT], "SIGNS (CONSTRUCTION)" SHALL BE PAID THE CONTRACT UNIT PRICE PER SQUARE FOOT. THIS PRICE WILL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INSTALLATION, MAINTENANCE AND ALL INCIDENTALS TO PLACE THE SIGNS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. ITEM NO. 717-01 [TDOT], "MOBILIZATION" SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE. THIS PRICE WILL BE FULL COMPENSATION FOR FURNISHING BOND, INSURANCE, AND ALL MATERIALS, AND LABOR REQUIRED TO BEGIN THE WORK AS SHOWN ON THE PLANS.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL PER THE STATE OF TENNESSEE'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND AS SHOWN IN THE PLANS. AT NO TIME SHALL MORE THAN ONE LANE BE BLOCKED. ALL TRAFFIC CONTROL DEVICES AND TRAFFIC OBSTRUCTIONS SHALL BE REMOVED WHEN THE CONTRACTOR IS NOT WORKING AT THE SITE. THE CONTRACTOR SHALL NOT BLOCK ANY PORTION OF THE TRAVEL LANE UNTIL AFTER 9:00 AM AND SHALL HAVE THE TRAVEL LANE OPEN BY 4:00 P.M.
11. THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH THE CITY OF MEMPHIS OFFICE OF CONSTRUCTION INSPECTIONS. PLEASE CONTACT MIKE CLARK AT 636-2462.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	HORN LAKE QUANTITY	RIVERGATE (Alcy) QUANTITY	TOTAL QUANTITY
④ 620-10.01	BRIDGE RAIL REPLACEMENT	L.F.	1,390	1,010	2,400
⑤ 712-01	TRAFFIC CONTROL	L.S.	0.6	0.4	1
⑥ 712-04.01	FLEXIBLE DRUMS (CHANNELIZATION)	E.A.	90	52	142
⑦ 712-05.03	WARNING LIGHTS (TYPE "C")	E.A.	90	52	142
⑧ 712-06	SIGNS (CONSTRUCTION)	S.F.	146	114	260
⑨ 717-01	MOBILIZATION	L.S.	0.5	0.5	1
③ 604-04.02	APPLIED TEXTURE FINISH (EXISTING STRUCTURES)	S.Y.	1,550	700	2,250

ATTACHED FILE: BRIDGE GUARDRAIL REPAIR-10

REVISIONS		
DATE	DESCRIPTIONS	APPROVED

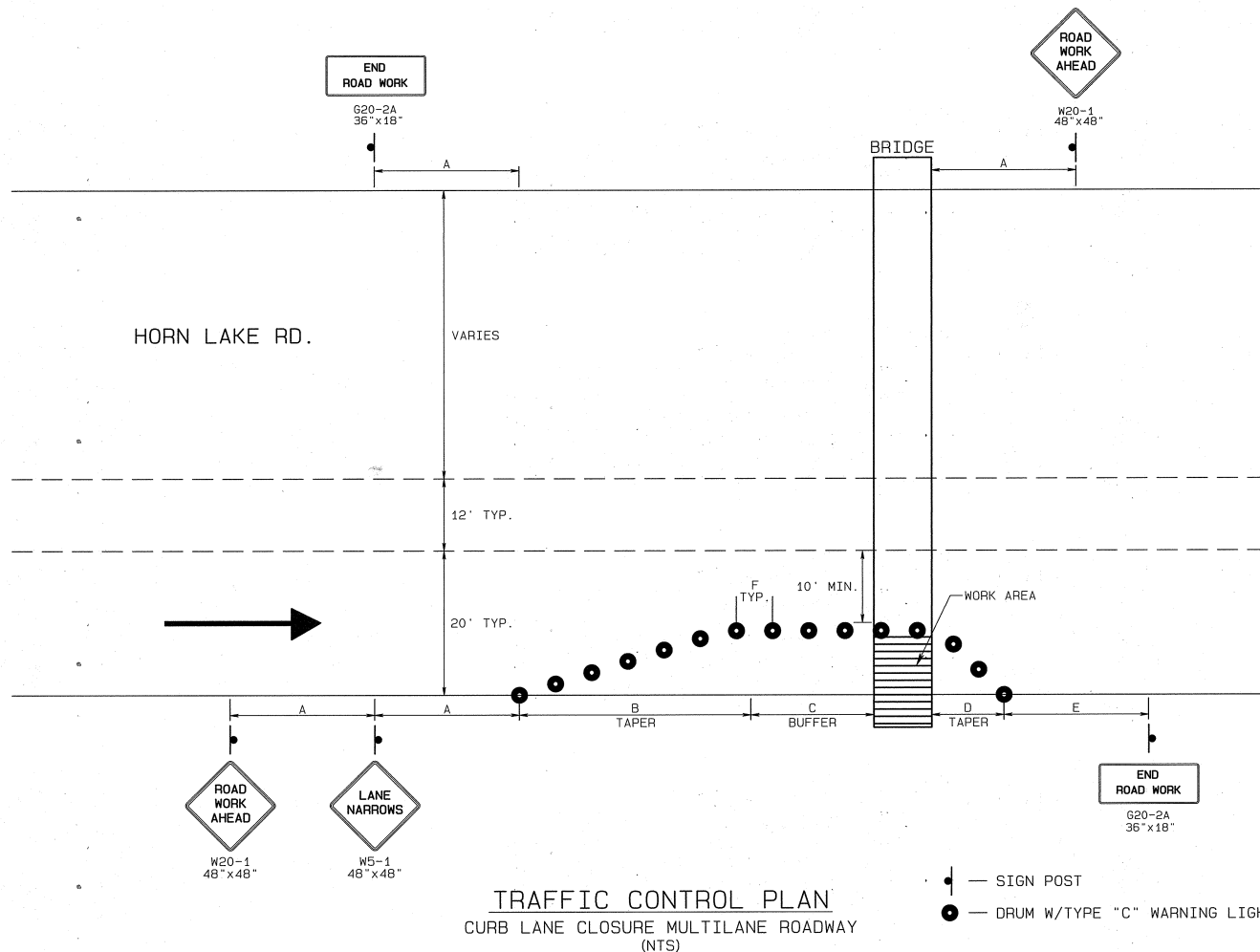


SHEET _____ OF _____
DIVISION OF PUBLIC WORKS

BRIDGE GUARDRAIL REPAIR
ESTIMATED QUANTITIES
MEMPHIS, TENN.

SURVEY N/A DATE 9/09 BOOK N/A
 DRAFTED L.E.H. DATE 9/09 SCALE N.E.S.
 DESIGN M.E.M. DATE 9/09 CHECKED J. DATE 5/12/10
 APPROVED *[Signature]* DATE 5/12/10
 CITY CIVIL DESIGN ENGINEER CITY ENGINEER

PROJECT NO. PW02031



TRAFFIC CONTROL PLAN
CURB LANE CLOSURE MULTILANE ROADWAY
(NTS)

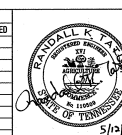
STREET NAME	LOCATION	BRIDGE NO.	DESIGN SPEED	A	B	C	D	E	F
HORN LAKE RD.	BTWN. RIVERGATE & PEBBLES	79-2842-5.94	50 MPH	500'	200'	100'	100'	500'	50'

TRAFFIC CONTROL PLAN NOTES:

- SEE FIGURE 6F-1 OF THE STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR HEIGHT AND LATERAL LOCATION OF SIGNS.
- SIGNS SHOWN ON THIS PLAN ARE TO WARN TRAFFIC ABOUT THE CONSTRUCTION. OTHER TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- NOTHING IN THIS PLAN IS INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING THE APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT STATE OF TENNESSEE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (636-2462) AND TRAFFIC ENGINEERING DEPARTMENT (576-6710) A MINIMUM OF 24 HOURS PRIOR TO COMMENCING CONSTRUCTION OR IMPLEMENTING A TRAFFIC CONTROL PLAN. ALL TRAFFIC CONTROL DEVICES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITY BEGINS.
- SIZES OF ALL SIGNS SHALL COMPLY WITH STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARD PRESCRIBED IN THE STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH THE STATE OF TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 712 TEMPORARY TRAFFIC CONTROL.
- ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- SIDE STREET, DRIVEWAY ACCESS, AND SAFE PEDESTRIAN WAYS SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEERS APPROVAL TO USE THEM.
- CONTRACTOR SHALL USE PLASTIC DRUMS WITH TYPE "C" WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.
- CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SIGNS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN COVERED DURING CONSTRUCTION AND UNTIL SUCH TIME THAT NO CONFLICT EXISTS.
- TWO-WAY TRAFFIC SHALL BE MAINTAINED ON HORN LAKE AT ALL TIMES.
- DURING CONSTRUCTION, A MINIMUM OF ONE 12 FOOT LANE OF TRAFFIC SHALL REMAIN OPEN TO BOTH DIRECTIONS OF TRAFFIC AT ALL TIMES.
- WORK WITHIN THE ROADWAY DURING DIFFERENT PHASES OF CONSTRUCTION SHALL NOT BE ACTIVE AT THE SAME TIME.
- ONLY ONE PHASE OF THE TRAFFIC CONTROL PLAN SHALL BE ACTIVE AT ANY ONE TIME.
- ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR RE-FINISHING PERFORMED.
- CHANNELIZING DEVICES SHALL BE REMOVED TO THE EDGE OF PAVEMENT AT THE END OF EACH WORK DAY. NO CLOSURE SHALL BE IN EFFECT FROM 4:00 P.M. UNTIL 9:00 A.M. TWO 12 FOOT LANES SHALL BE OPEN DURING THIS PERIOD WITH AT LEAST A 4 INCH THICK COMPACTED GRAVEL SURFACE.
- WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 9:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
- THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER.
- IF CONSTRUCTION ACTIVITIES REQUIRE OVER-NIGHT CLOSURE OF ANY PORTION OF THE ROADWAY, A REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER'S OFFICE.
- ALL TRAFFIC CONTROL SIGNS SHALL MEET THE MINIMUM RETROREFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

BRIDGE GUARDRAIL REPAIR

REVISIONS		
DATE	DESCRIPTIONS	APPROVED



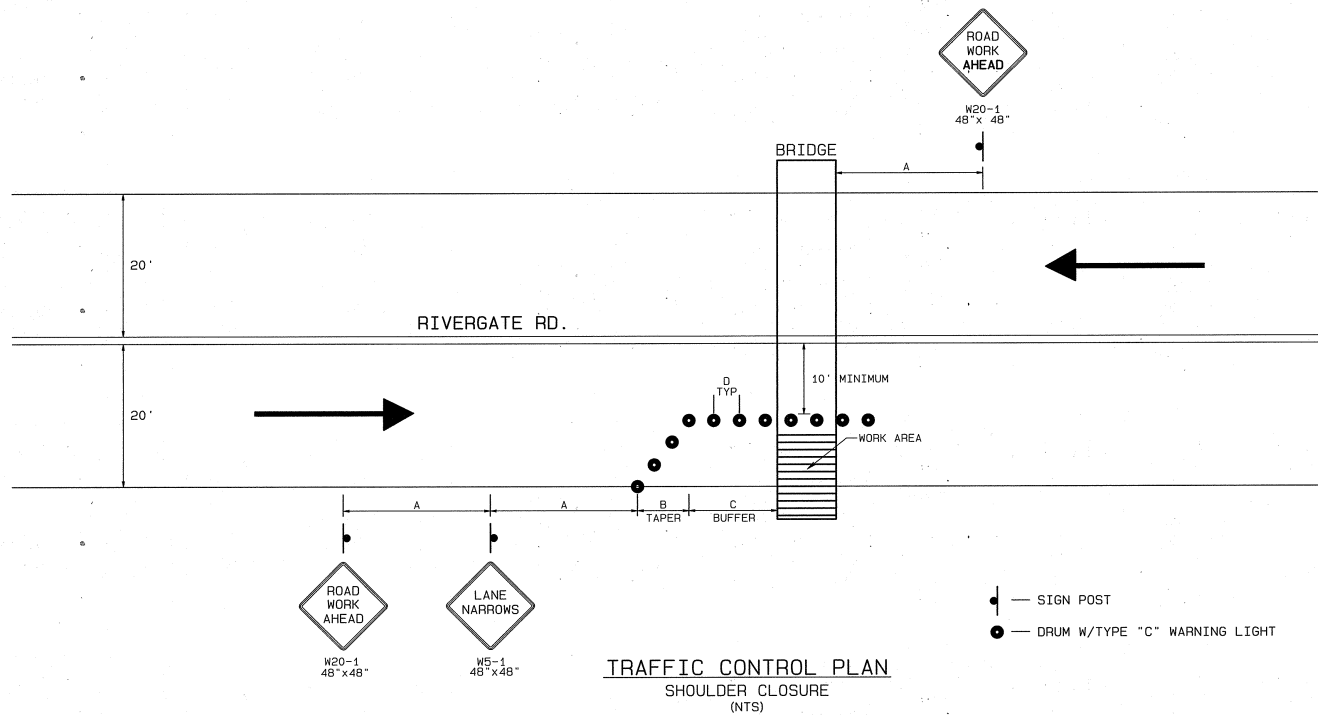
SHEET 1 OF 1
DIVISION OF ENGINEERING
TRAFFIC CONTROL PLAN
HORN LAKE ROAD
MEMPHIS, TENN.

SURVEY DATE BOOK
DRAFTED L.R.H. DATE 9/09 SCALE N.T.S.
DESIGN L.R.H. DATE 9/09 CHECKED DATE
APPROVED DATE
CITY TRAFFIC ENGR. DATE CITY ENGINEER DATE

5/12/10

PROJECT NO. PM02031

3



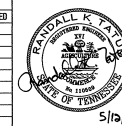
STREET	LOCATION	BRIDGE NO.	DESIGN SPEED MPH	A	B	C	D
RIVERGATE RD.	BTWN. HORN LAKE & W. ALCY	79-5092-2.25	35 MPH	100'	100'	120'	35'

TRAFFIC CONTROL PLAN NOTES:

- SEE FIGURE 6F-1 OF THE STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR HEIGHT AND LATERAL LOCATION OF SIGNS.
- SIGNS SHOWN ON THIS PLAN ARE TO WARN TRAFFIC ABOUT THE CONSTRUCTION. OTHER TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- NOTHING IN THIS PLAN IS INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING THE APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT STATE OF TENNESSEE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS."
- CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (636-2462) AND TRAFFIC ENGINEERING DEPARTMENT (576-6710) A MINIMUM OF 24 HOURS PRIOR TO COMMENCING CONSTRUCTION OR IMPLEMENTING A TRAFFIC CONTROL PLAN. ALL TRAFFIC CONTROL DEVICES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITY BEGINS.
- SIZES OF ALL SIGNS SHALL COMPLY WITH STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARD PRESCRIBED IN THE STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH THE STATE OF TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 712 TEMPORARY TRAFFIC CONTROL.
- ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- SIDE STREET, DRIVEWAY ACCESS, AND SAFE PEDESTRIAN WAYS SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEERS APPROVAL TO USE THEM.
- CONTRACTOR SHALL USE PLASTIC DRUMS WITH TYPE "C" WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.
- CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SIGNS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN COVERED DURING CONSTRUCTION AND UNTIL SUCH TIME THAT NO CONFLICT EXISTS.
- TWO-WAY TRAFFIC SHALL BE MAINTAINED ON RIVERGATE AT ALL TIMES.
- DURING CONSTRUCTION, A MINIMUM OF ONE 10 FOOT LANE OF TRAFFIC SHALL REMAIN OPEN TO BOTH DIRECTIONS OF TRAFFIC AT ALL TIMES.
- ONLY ONE PHASE OF THE TRAFFIC CONTROL PLAN SHALL BE ACTIVE AT ANY ONE TIME.
- ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR RE-FINISHING PERFORMED.
- WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 9:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
- THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER.
- IF CONSTRUCTION ACTIVITIES REQUIRE OVER-NIGHT CLOSURE OF ANY PORTION OF THE ROADWAY, A REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER'S OFFICE.
- ALL TRAFFIC CONTROL SIGNS SHALL MEET THE MINIMUM RETROREFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

BRIDGE GUARDRAIL REPAIR

REVISIONS		
DATE	DESCRIPTIONS	APPROVED

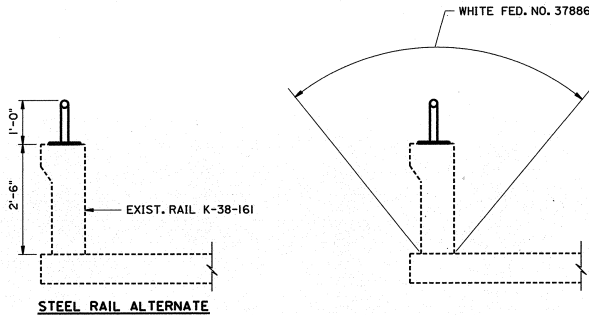


SHEET 1 OF 1
DIVISION OF ENGINEERING

TRAFFIC CONTROL PLAN
RIVERGATE ROAD
MEMPHIS, TENN.

SURVEY	DATE	BOOK
DRAFTED L.R.H.	DATE 9/09	SCALE N.T.S.
DESIGN L.R.H.	DATE 9/09	CHECKED
APPROVED		DATE
Richard M. Merrill	5/10/10	5/10/10
CITY TRAFFIC ENGR.	DATE	CITY ENGINEER

PROJECT NO. PW02031

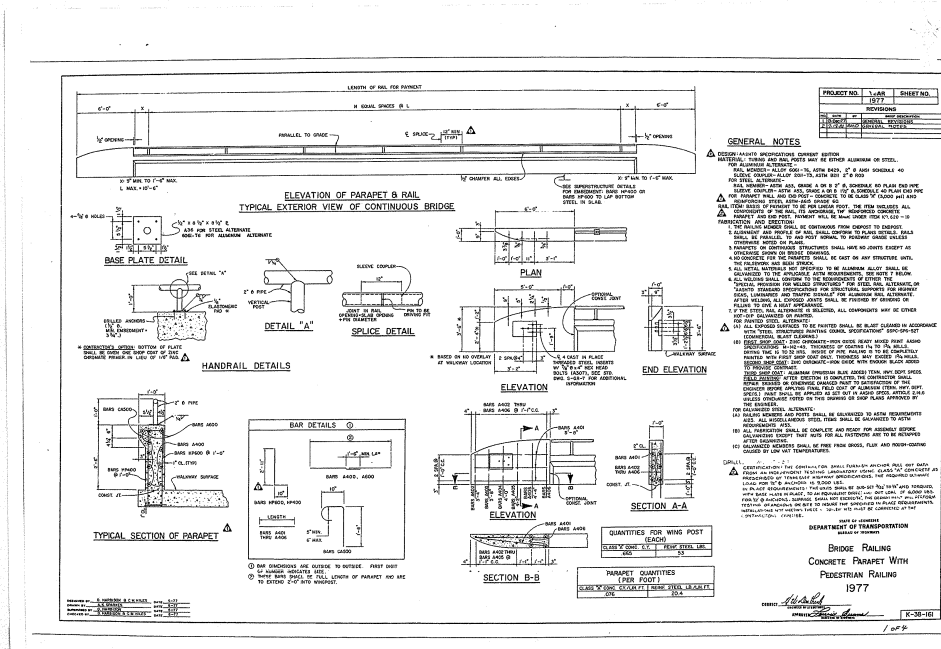


RAIL REPAIR DETAIL
SCALE: 3/4" = 1'-0"

ITEM NO. 620-10.01 [TDOT], "BRIDGE RAIL REPLACEMENT" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT. THIS PRICE WILL BE THE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, HARDWARE, POSTS, REPLACEMENT OF DRILLED ANCHORS AS REQUIRED, ELASTOMERIC PADS OR ZINC CHROMATE PRIMER, AND LABOR REQUIRED TO REPLACE THE HANDRAIL. THE HANDRAIL TO BE REPLACED BY GALVANIZED STEEL RAILING AS SHOWN ON THE PLANS. LOCATIONS SHALL BE AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER. MATERIALS USED SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. GALVANIZED STEEL RAILS AND POSTS SHALL BE ASTM A53, GRADE A OR B STEEL. ALL HARDWARE, BOLTS, ETC. SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.

APPLIED TEXTURE FINISH
SCALE: 3/4" = 1'-0"

ITEM NO. 604-04.02 [TDOT], "APPLIED TEXTURE FINISH (EXISTING STRUCTURE)" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THIS PRICE WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND ANY MISCELLANEOUS ITEMS REQUIRED TO TEXTURE COAT THE EXISTING PARAPET RAIL AS SHOWN ON THE PLANS. SEE REQUIREMENTS OF SECTION 604 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.



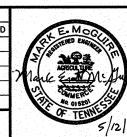
NONCONNAH DRAINAGE DISTRICT
SHEET 1 OF 1
MISCELLANEOUS DETAILS
DIVISION OF PUBLIC WORKS

BRIDGE GUARDRAIL REPAIR
HORN LAKE AND RIVERGATE ROAD
MEMPHIS, TENN.

SURVEY N/A DATE 9/09 BOOK N/A
DESIGN MEM DATE 9/09 CHECKED 5/12/10
CITY CIVIL DESIGN DATE CITY ENGINEER

PROJECT NO. PW02031

DATE	REVISIONS	APPROVED
	DESIGN	
	CHECK	
	APPROVE	



5/12/10 5/12/10 5/12/10

